WHAT IS CLAIMED IS:

1. An Internet facsimile apparatus characterized by comprising:

destination data storage means for storing destination data containing at least a telephone number, presence/absence of an Internet facsimile function, and Internet address of each transmission destination;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile transmitting/receiving function;

Internet function informing means for transmitting an Internet facsimile function and Internet address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile reception; and

Internet function detecting means for detecting and registering an Internet facsimile function and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile transmission,

wherein when transmission is to be performed for said

partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, said first transmitting/receiving means communicates with said partner apparatus by using the Internet address in the destination data.

2. The apparatus according to claim 1, characterized in that said Internet function informing means or said Internet function detecting means transmits or receives the Internet facsimile function and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

3. The apparatus according to claim 2, characterized in that the ordinary facsimile is a G3 facsimile, and said Internet function informing means or said Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard protocol.

4. The apparatus according to claim 1, characterized in that the destination data contains at least presence/absence of an Internet facsimile function and an Internet address of a corresponding one-touch dial.

5. The apparatus according to claim 1, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

6. The apparatus according to claim 5, characterized in that the Internet address is an e-mail address.

7. An Internet facsimile apparatus characterized by comprising:

destination data storage means for storing destination data containing at least a telephone number, presence/absence of an Internet facsimile function, and Internet address of each transmission destination;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile transmitting/receiving function;

Internet function detecting means for detecting and

registering an Internet facsimile function and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile transmission,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, said first transmitting/receiving means communicates with said partner apparatus by using the Internet address in the destination data.

8. The apparatus according to claim 7, characterized in that said Internet function informing means or said Internet function detecting means transmits or receives the Internet facsimile function and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

9. The apparatus according to claim 8, characterized in that the ordinary facsimile is a G3 facsimile, and said Internet function informing means or said Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard

protocol.

10. The apparatus according to claim 7, characterized in that the destination data contains at least presence/absence of an Internet facsimile function and an Internet address of a corresponding one-touch dial.

11. The apparatus according to claim 7, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

12. The apparatus according to claim 11, characterized in that the Internet address is an e-mail address.

13. An Internet facsimile apparatus characterized by comprising:

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile

transmitting/receiving function; and

Internet function informing means for transmitting an Internet facsimile function and Internet address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile reception.

14. The apparatus according to claim 13, characterized in that said Internet function informing means or said Internet function detecting means transmits or receives the Internet facsimile function and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

15. The apparatus according to claim 14, characterized in that the ordinary facsimile is a G3 facsimile, and said Internet function informing means or said Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard protocol.

16. The apparatus according to claim 13, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting

an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

17. The apparatus according to claim 16, characterized in that the Internet address is an e-mail address.

18. An Internet address informing method using an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function, characterized in that

an Internet facsimile apparatus on a receiving side transmits an Internet facsimile function and Internet address thereof on a predetermined signal in a standard protocol of ordinary facsimile communication, and

an Internet facsimile apparatus on a transmitting side detects and registers the Internet facsimile function and Internet address of said Internet facsimile apparatus on the receiving side, carried on the predetermined signal in the standard protocol of ordinary facsimile communication, as destination data, and, when transmission is to be performed for said Internet facsimile apparatus on the receiving side thereafter, communicates with said Internet facsimile apparatus on the receiving side by using the Internet address

in the destination data.

19. The method according to claim 18, characterized in that the ordinary facsimile communication is G3 facsimile communication, and the predetermined signal is an NSF signal and carries the Internet facsimile function and Internet address of said Internet facsimile apparatus on the receiving side.

20. The method according to claim 19, characterized in that the Internet facsimile function is stored in a fourth octet of the NSF signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSF signal and transmitted.

21. The method according to claim 20, characterized in that the fourth octet of the NSF signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

22. A storage medium for storing, in a computer readable form, a control program containing an Internet address informing program in an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function, characterized in that said

informing program comprises:

a transmission module for transmitting an Internet facsimile function and Internet address of said Internet facsimile apparatus on a predetermined signal in a standard protocol during ordinary facsimile reception;

a registration module for detecting and registering an Internet facsimile function and Internet address of a partner apparatus, carried on the predetermined signal in the standard protocol, as destination data during ordinary facsimile reception; and

a communication module for communicating with said partner apparatus by using the Internet address in the destination data when transmission is to be performed for said partner apparatus after the registration.

23. The medium according to claim 22, characterized by further containing registered destination data.

24. An Internet facsimile apparatus characterized by comprising:

destination data storage means for storing destination data containing at least a telephone number, presence/absence of an Internet facsimile function, and Internet address of each transmission destination;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile

transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile transmitting/receiving function;

first Internet function informing means for transmitting an Internet facsimile function, and Internet address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile transmission; and

first Internet function detecting means for detecting and registering an Internet facsimile function, and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile reception,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, said first transmitting/receiving means communicates with said partner apparatus by using the Internet address in the destination data.

25. The apparatus according to claim 24, characterized in that said first Internet function detecting means retrieves destination data from the detected telephone number and

registers the Internet facsimile function and Internet address in the retrieved destination data.

26. The apparatus according to claim 24, characterized in that said first Internet function informing means or said Internet function detecting means transmits or receives the telephone number, Internet facsimile function, and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

27. The apparatus according to claim 24, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSS signal in the standard protocol.

28. The apparatus according to claim 27, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

29. The apparatus according to claim 28, characterized in that the fourth octet of the NSS signal is not 0 when the

Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

30. The apparatus according to claim 24, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the telephone number by using a TSI signal in the standard protocol.

31. The apparatus according to claim 24, characterized in that the destination data contains at least presence/absence of an Internet facsimile function and an Internet address of a corresponding one-touch dial.

32. The apparatus according to claim 24, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

33. The apparatus according to claim 32, characterized in that the Internet address is an e-mail address.

34. The apparatus according to claim 24, characterized by further comprising:

second Internet function informing means for transmitting the Internet facsimile function and Internet address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile reception; and

second Internet function detecting means for detecting and registering an Internet facsimile function and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile transmission.

35. The apparatus according to claim 34, characterized in that said first Internet function informing means or said Internet function detecting means transmits or receives the telephone number, Internet facsimile function, and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

36. The apparatus according to claim 34, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the Internet facsimile

function and Internet address by using an NSS signal in the standard protocol.

37. The apparatus according to claim 36, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

38. The apparatus according to claim 37, characterized in that the fourth octet of the NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

39. The apparatus according to claim 34, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the telephone number by using a TSI signal in the standard protocol.

40. The apparatus according to claim 34, characterized in that said first Internet function detecting means detects a telephone number from a telephone number information service signal from a switching unit.

41. The apparatus according to claim 34, characterized in

that the ordinary facsimile is a G3 facsimile, and said second Internet function informing means or said second Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard protocol.

42. An Internet facsimile apparatus characterized by comprising:

destination data storage means for storing destination data containing at least a telephone number, presence/absence of an Internet facsimile function, and Internet address of each transmission destination;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile transmitting/receiving function;

second Internet function detecting means for detecting and registering an Internet facsimile function and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile transmission; and

first Internet function informing means for transmitting an Internet facsimile function, and Internet

address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile transmission,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, said first transmitting/receiving means communicates with said partner apparatus by using the Internet address in the destination data.

43. The apparatus according to claim 42, characterized in that said first Internet function informing means or said Internet function detecting means transmits or receives the telephone number, Internet facsimile function, and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

44. The apparatus according to claim 42, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSS signal in the standard protocol.

45. The apparatus according to claim 44, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

46. The apparatus according to claim 45, characterized in that the fourth octet of the NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

47. The apparatus according to claim 42, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the telephone number by using a TSI signal in the standard protocol.

48. The apparatus according to claim 42, characterized in that the ordinary facsimile is a G3 facsimile, and said second Internet function informing means or said second Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard protocol.

49. The apparatus according to claim 42, characterized in that the destination data contains at least presence/absence

of an Internet facsimile function and an Internet address of a corresponding one-touch dial.

50. The apparatus according to claim 42, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

51. The apparatus according to claim 50, characterized in that the Internet address is an e-mail address.

52. An Internet facsimile apparatus characterized by comprising:

destination data storage means for storing destination data containing at least a telephone number, presence/absence of an Internet facsimile function, and Internet address of each transmission destination;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile

transmitting/receiving function; and

first Internet function detecting means for detecting and registering an Internet facsimile function, and Internet address of a partner apparatus in corresponding destination data in said destination data storage means while said second transmitting/receiving means is performing ordinary facsimile reception,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, said first transmitting/receiving means communicates with said partner apparatus by using the Internet address in the destination data.

53. The apparatus according to claim 52, characterized by further comprising second Internet function informing means for transmitting an Internet facsimile function and Internet address of said Internet facsimile apparatus while said second transmitting/receiving means is performing ordinary facsimile reception.

54. The apparatus according to claim 53, characterized in that said first Internet function informing means or said Internet function detecting means transmits or receives the telephone number, Internet facsimile function, and Internet

address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second transmitting/receiving means.

55. The apparatus according to claims 53, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSS signal in the standard protocol.

56. The apparatus according to claim 55, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

57. The apparatus according to claim 56, characterized in that the fourth octet of the NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

58. The apparatus according to claim 53, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the telephone number by

using a TSI signal in the standard protocol.

59. The apparatus according to claim 53, characterized in that said first Internet function detecting means detects a telephone number from a telephone number information service signal from a switching unit.

60. The apparatus according to claims 53, characterized in that the ordinary facsimile is a G3 facsimile, and said second Internet function informing means or said second Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSF signal in the standard protocol.

61. The apparatus according to claim 52, characterized in that said first Internet function detecting means retrieves destination data from the detected telephone number and registers the Internet facsimile function and Internet address in the retrieved destination data.

62. The apparatus according to claim 52, characterized in that said first Internet function informing means or said Internet function detecting means transmits or receives the telephone number, Internet facsimile function, and Internet address by using a predetermined signal in a standard protocol of ordinary facsimile transmission by said second

transmitting/receiving means.

63. The apparatus according to claim 52, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the Internet facsimile function and Internet address by using an NSS signal in the standard protocol.

64. The apparatus according to claim 63, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

65. The apparatus according to claim 64, characterized in that the fourth octet of the NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

66. The apparatus according to claim 52, characterized in that the ordinary facsimile is a G3 facsimile, and said first Internet function informing means or said first Internet function detecting means transmits the telephone number by using a TSI signal in the standard protocol.

67. The apparatus according to claim 52, characterized in that said first Internet function detecting means detects a telephone number from a telephone number information service signal from a switching unit.

68. The apparatus according to claim 52, characterized in that the destination data contains at least presence/absence of an Internet facsimile function and an Internet address of a corresponding one-touch dial.

69. The apparatus according to claim 52, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

70. The apparatus according to claim 69, characterized in that the Internet address is an e-mail address.

71. An Internet address informing method using an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function,

characterized in that

an Internet facsimile apparatus on a transmitting side transmits an Internet facsimile function, and Internet address thereof on first and second signals in a standard protocol of ordinary facsimile communication, and

an Internet facsimile apparatus on a receiving side detects and registers the Internet facsimile function, and Internet address of said Internet facsimile apparatus on the transmitting side, carried on the first and second signals in the standard protocol of ordinary facsimile communication, as destination data, and, when transmission is to be performed for said Internet facsimile apparatus on the transmitting side thereafter, communicates with said Internet facsimile apparatus on the transmitting side by using the Internet address in the destination data.

72. The method according to claim 71, characterized in that the ordinary facsimile communication is G3 facsimile communication, the first signal is a TSI signal and carries the telephone number of said Internet facsimile apparatus on the transmitting side, and the second signal is an NSS signal and carries the Internet facsimile function and Internet address of said Internet facsimile apparatus on the transmitting side.

73. The method according to claim 72, characterized in that

the Internet facsimile function is stored in a fourth octet of the NSS or NSF signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS or NSF signal and transmitted.

74. The method according to claim 73, characterized in that the fourth octet of the NSS or NSF signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

75. The method according to claim 71, characterized in that

said Internet facsimile apparatus on the receiving side transmits the Internet facsimile function and Internet address thereof on a third signal in the standard protocol of ordinary facsimile communication, and

said Internet facsimile apparatus on the transmitting side detects and registers the Internet facsimile function and Internet address of said Internet facsimile apparatus on the receiving side, carried on the third signal in the standard protocol of ordinary facsimile communication, as destination data, and, when transmission is to be performed for said Internet facsimile apparatus on the receiving side thereafter, communicates with said Internet facsimile apparatus on the receiving side by using the Internet address in the destination data.

76. The method according to claim 75, characterized in that the standard facsimile communication is G3 facsimile communication, and the third signal is an NSF signal and carries the Internet facsimile function and Internet address of said Internet facsimile apparatus on the receiving side.

77. The method according to claim 76, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS or NSF signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS or NSF signal and transmitted.

78. The method according to claim 77, characterized in that the fourth octet of the NSS or NSF signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

79. A storage medium for storing, in a computer readable form, a control program containing an Internet address informing program in an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function, characterized in that said informing program comprises:

a first transmission module for transmitting an Internet facsimile function, and Internet address of said

Internet facsimile apparatus on first and second signals in a standard protocol during ordinary facsimile reception;

a first registration module for detecting and registering an Internet facsimile function, and Internet address of a partner apparatus, carried on the first and second signals in the standard protocol, as destination data during ordinary facsimile reception; and

a communication module for communicating with said partner apparatus by using the Internet address in the destination data when transmission is to be performed for said partner apparatus after the registration.

80. The medium according to claim 79, characterized by further containing registered destination data.

81. The medium according to claim 79, characterized in that said informing program further comprises:

a second transmission module for transmitting an Internet facsimile function and Internet address of said Internet facsimile apparatus on a third signal in the standard protocol during ordinary facsimile reception; and

a second registration module for detecting and registering an Internet facsimile function and Internet address of a partner apparatus, carried on the third signal in the standard protocol, as destination data during ordinary facsimile transmission.

82. The medium according to claim 81, characterized by further containing registered destination data.

83. An Internet facsimile apparatus characterized by comprising;

first transmitting/receiving means for transmitting and receiving an image by an Internet facsimile transmitting/receiving function;

second transmitting/receiving means for transmitting and receiving an image by an ordinary facsimile transmitting/receiving function;

determining means for determining whether a partner apparatus has an Internet facsimile function while said second transmitting/receiving means is performing ordinary facsimile transmission; and

mode switching means for disconnecting ordinary facsimile mode communication and switching to an Internet facsimile mode if said partner apparatus is found to have the Internet facsimile function.

84. The apparatus according to claim 83, characterized in that said determining means comprises means for determining whether said partner apparatus has the Internet facsimile function in accordance with a predetermined signal in a standard protocol of ordinary facsimile communication by

said second transmitting/receiving means, and means for obtaining an Internet address of said partner apparatus from the predetermined signal.

85. The apparatus according to claim 84, characterized in that the ordinary facsimile is a G3 facsimile, and, when said Internet facsimile apparatus is a transmitter, the predetermined signal is an NSF signal in the standard protocol, information indicating whether the Internet facsimile function is present is stored in a fourth octet of the NSF signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSF signal and transmitted.

86. The apparatus according to claim 85, characterized in that the fourth octet of the NSF or NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

87. The apparatus according to claim 85, characterized in that when said Internet facsimile apparatus is a transmitter and the NSF signal indicates that a receiver has the Internet facsimile function, said mode switching means informs said receiver that said transmitter has the Internet facsimile function by using the NSS signal, waits for CFR, disconnects a line after sending DCN, and starts image transmission by

an Internet facsimile.

88. The apparatus according to claim 85, characterized by further comprising:

destination data storage means for storing destination data containing at least presence/absence of an Internet facsimile function and an Internet address of each transmission destination; and

first Internet address registering means for registering an Internet facsimile function and Internet address of a partner apparatus, detected from the NSF signal during the G3 facsimile transmission, in corresponding destination data in said destination data storage means,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, communication is performed by using the Internet address in the destination data.

89. The apparatus according to claim 84, characterized in that the ordinary facsimile is a G3 facsimile, and, when said Internet facsimile apparatus is a receiver, the predetermined signal is an NSS signal in the standard protocol, information indicating whether the Internet facsimile function is present is stored in a fourth octet

of the NSS signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS signal and transmitted.

90. The apparatus according to claim 89, characterized in that the fourth octet of the NSF or NSS signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

91. The apparatus according to claim 89, characterized in that when said Internet facsimile apparatus is a receiver and the NSS signal indicates that a transmitter has the Internet facsimile function, said mode switching means sends CFR, disconnects a line after receiving DCN, and starts image transmission by an Internet facsimile.

92. The apparatus according to claim 89, characterized by further comprising:

destination data storage means for storing destination data containing at least presence/absence of an Internet facsimile function and an Internet address of each transmission destination; and

second Internet address registering means for registering an Internet facsimile function and Internet address of a partner apparatus, detected from the NSS signal during the G3 facsimile transmission, in corresponding

destination data in said destination data storage means,

wherein when transmission is to be performed for said partner apparatus after the Internet facsimile function and Internet address of said partner apparatus are registered in the corresponding destination data in said destination data storage means, communication is performed by using the Internet address in the destination data.

93. The apparatus according to claim 83, characterized in that said first transmitting/receiving means comprises means for transmitting e-mail, means for attaching an image file to e-mail, means for receiving e-mail, means for extracting an attached file from e-mail, means for checking whether the attached file is an image file, and means for performing Internet facsimile reception if the attached file is found to be an image file.

94. The apparatus according to claim 93, characterized in that the Internet address is an e-mail address.

95. An Internet facsimile communication control method using an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function, characterized in that

an Internet facsimile apparatus on a receiving side

transmits an Internet facsimile function and Internet address thereof on a first signal in a standard protocol of ordinary facsimile communication,

an Internet facsimile apparatus on a transmitting side detects the Internet facsimile function and Internet address of said Internet facsimile apparatus on the receiving side, carried on the first signal in the standard protocol of ordinary facsimile communication, and transmits at least an Internet facsimile function thereof on a second signal in the standard protocol of ordinary facsimile communication,

said Internet facsimile apparatus on the receiving side detects the Internet facsimile function of said Internet facsimile apparatus on the transmitting side, carried on the second signal in the standard protocol of ordinary facsimile communication, and requests said Internet facsimile apparatus on the transmitting side to disconnect a line, and

said Internet facsimile apparatus on the transmitting side disconnects the line and transmits an image to said Internet facsimile apparatus on the receiving side by an Internet facsimile.

96. The method according to claim 95, characterized in that the ordinary facsimile communication is G3 facsimile communication, the first signal is an NSF signal, and the second signal is an NSS signal.

97. The method according to claim 96, characterized in that the Internet facsimile function is stored in a fourth octet of the NSS or NSF signal and transmitted, and the Internet address is stored in fifth to twenty-fifth octets of the NSS or NSF signal and transmitted.

98. The method according to claim 97, characterized in that the fourth octet of the NSS or NSF signal is not 0 when the Internet facsimile function is present, and is 0 when the Internet facsimile function is not present.

99. A storage medium for storing a control program for Internet facsimile communication in a computer readable form in an Internet facsimile apparatus for transmitting and receiving an image by an Internet facsimile transmitting/receiving function and an ordinary facsimile transmitting/receiving function, characterized in that said control program comprises:

a determination module for determining during ordinary facsimile transmission whether a partner apparatus has an Internet facsimile function, and

a mode switching module for disconnecting ordinary facsimile mode communication and switching to an Internet facsimile mode if said partner apparatus is found to have the Internet facsimile function.

100. The medium according to claim 99, characterized by further comprising;

a registration module for detecting and registering an Internet address of said partner apparatus if said partner apparatus is found to have the Internet facsimile function; and

a communication module for communicating with said partner apparatus by using the Internet address in the destination data when transmission is to be performed for said partner apparatus after the registration.

101. The medium according to claim 100, characterized by further containing registered destination data.